

# Data architecture

## Definition

Data architecture is the [blueprint](#) that defines how data is managed (stored, organized, integrated, and accessed) within an organization.

## DMBOK2

Data architecture is identifying the data needs of the enterprise (regardless of structure), and designing and maintaining the master [blueprints](#) to meet those needs.

## Note

Other definitions of data architecture:

- The [blueprint](#) for managing data assets by aligning with organizational strategy.
- The description of the structure of an organization's logical and physical data assets and data management resources.
- A [framework](#) for managing data.

## Purpose

The purpose of data architecture is to establish strategic data [requirements](#) and designs to meet those [requirements](#).

## Relation

|                   |                    |  |
|-------------------|--------------------|--|
| Data architecture | is child of        | <a href="#">blueprint</a>                      |
| Data architecture | is an element of a | <a href="#">data value management system</a>   |
| Data architecture | is an element of a | <a href="#">data quality management system</a> |

## Lifecycle

- Design data architecture
- Review data architecture
- Establish data architecture
- Communicate data architecture
- Implement data architecture
- Evaluate data architecture
- Adapt data architecture

## Characteristics

- Accessibility
- Clarity
- Feasability

## Reference

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